

FORM PTO-1449
(REV.7-80)

APR 01 2002

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
240083.514APPLICATION NO.
10/015,861

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS

Neil S. Cutshall and Kraig M. Yager

FILING DATE

December 12, 2001

GROUP ART UNIT

Not yet assigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RO	AA	6,333,341	12/25/01	Mantlo et al.	514	336	
RO	AB	6,022,884	02/08/00	Mantlo et al.	514	352	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
RO	AC	GB 1,134,651	11/27/68	UNITED KINGDOM		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

RO	AD	Santamaria Babi et al., "The interleukin-8 receptor B and CXC chemokines can mediate transendothelial migration of human skin homing T cells," <i>Eur. J. Immunol.</i> 26(9):2056-2061, September 1996.
RO	AE	Besemer et al., "Specific binding, internalization, and degradation of human neutrophil activating factor by human polymorphonuclear leukocytes," <i>J. Biol. Chem.</i> 264(29):17409-17415, October 15, 1989.
RO	AF	Boisvert et al., "A leukocyte homologue of the IL-8 receptor CXCR-2 mediates the accumulation of macrophages in atherosclerotic lesions of LDL receptor-deficient mice," <i>J. Clin. Invest.</i> 101(2):353-363, January 15, 1998.
RO	AG	Chuntharapai et al., "Monoclonal antibodies detect different distribution patterns of IL-8 receptor A and IL-8 receptor B on human peripheral blood leukocytes," <i>J. Immunol.</i> 153(12):5682-5688, December 15, 1994.
RO	AH	Chuntharapai et al., "Regulation of the expression of IL-8 receptor A/B by IL-8: possible functions of each receptor," <i>J Immunol</i> 155(5):2587-2594, September 1, 1995.
RO	AI	Cummings et al., "Expression and function of the chemokine receptors CXCR1 and CXCR2 in sepsis," <i>J. Immunol.</i> 162(4):2341-6, February 15, 1999.
RO	AJ	Donnelly and Robertson, "Mediators, mechanisms and mortality in major trauma," <i>Resuscitation</i> 28(2):87-92, October 1994.
RO	AK	Donnelly and Robertson, "Trauma, inflammatory cells and ARDS," <i>Arch. Emerg. Med.</i> 10(2):108-11, June 1993.

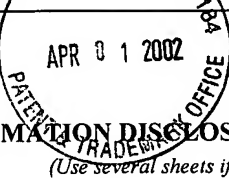
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RO Desai

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
	BA								
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		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO				
	BB								
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RD	BC	Endo et al., "Elevation of interleukin-8 (IL-8) levels in joint fluids of patients with rheumatoid arthritis and the induction by IL-8 of leukocyte infiltration and synovitis in rabbit joints," <i>Lymphokine and Cytokine Research</i> 10(4):245-252, August 1991.							
RD	BD	Fuhlendorff et al., "[Leu ³¹ , Pro ³⁴]Neuropeptide Y: a specific Y ₁ receptor agonist," <i>PNAS USA</i> 87(1):182-186, January 1990.							
RD	BE	Gillitzer et al., "Differential expression of GRO-alpha and IL-8 mRNA in psoriasis: a model for neutrophil migration and accumulation in vivo," <i>J. Invest. Dermatol.</i> 107(5):778-782, November 1996.							
RD	BF	Goldman et al., "Tumor Necrosis Factor- α Mediates Acid Aspiration-induced Systemic Organ Injury," <i>Ann. Surg.</i> 212(4):513-520, October 1990.							
RD	BG	Goodman et al., "Inflammatory cytokines in patients with persistence of the acute respiratory distress syndrome," <i>Am. J. Respir. Crit. Care Med.</i> 154(3 Pt 1):602-611, September 1996.							
RD	BH	Grob et al., "Characterization of a receptor for human monocyte-derived neutrophil chemotactic factor/interleukin-8," <i>J. Biol. Chem.</i> 265(14):8311-8316, May 15, 1990.							
RD	BI	Hammond et al., "IL-8 induces neutrophil chemotaxis predominantly via type I IL-8 receptors," <i>J. Immunol.</i> 155(3):1428-1433, August 1, 1995							
RD	BJ	Holmes et al., "Structure and functional expression of a human interleukin-8 receptor," <i>Science</i> 253(5025):1278-1280, September 13, 1991.							
RD	BK	Horuk et al., "Expression of chemokine receptors by subsets of neurons in the central nervous system," <i>J. Immunol.</i> 158(6):2882-2890, March 15, 1997.							
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			YES	NO
CB				

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RO	CC	Izzo et al., "Interleukin-8 and neutrophil markers in colonic mucosa from patients with ulcerative colitis," <i>Am. J. Gastroenterology</i> 87(10):1447-1452, October 1992.
RO	CD	Jones et al., "Chemokine antagonists that discriminate between interleukin-8 receptors. Selective blockers of CXCR2," <i>J. Biol. Chem.</i> 272(26):16166-16169, June 27, 1997.
RO	CE	Kojima et al., "GRO- α mRNA is selectively overexpressed in psoriatic epidermis and is reduced by cyclosporin A in vivo, but not in cultured keratinocytes," <i>J. Invest. Dermatology</i> 101(6):767-772, December 1993.
RO	CF	Linaz et al., "Neutrophils accentuate ischemia-reperfusion injury in isolated perfused rat kidneys," <i>Am. J. Physiology</i> 255(4 Pt 2):F728-F735, October 1988.
RO	CG	Mahida et al., "Enhanced synthesis of neutrophil-activating peptide-1/interleukin-8 in active ulcerative colitis," <i>Clinical Science (London)</i> 82(3):273-275, March 1992.
RO	CH	Matsukawa et al., "Involvement of growth-related protein in lipopolysaccharide-induced rabbit arthritis: cooperation between growth-related protein and IL-8, and interrelated regulation among TNF α , IL-1, IL-1 receptor antagonist, IL-8, and growth-related protein," <i>Laboratory Investigation</i> 79(5):591-600, May 1999.
RO	CI	Murphy and Tiffany, "Cloning of Complementary DNA Encoding a Functional Human Interleukin-8 Receptor," <i>Science</i> 253(5025):1278-1280. September 13, 1991.
RO	CJ	Quan et al., "Antibodies against the N-terminus of IL-8 receptor A inhibit neutrophil chemotaxis," <i>Biochemical Biophysical Research Communications</i> 219(2):405-411, February 15, 1996.
RO	CK	Repine and Beechler, "Neutropils and Adult Respiratory Distress Syndrome: Two Interlocking Perspectives in 1991," <i>Am. Rev. Respir. Dis.</i> 144:251-252, 1991.

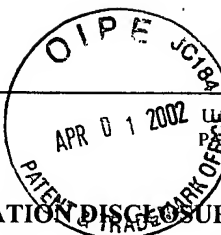
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				YES	NO
DB					

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RE	DC	Samanta et al., "Identification and characterization of specific receptors for monocyte-derived neutrophil chemotactic factor (MDNCF) on human neutrophils," <i>J. Exp. Med.</i> 169(3):1185-1189, March 1, 1989.
RE	DD	Samson et al., "The second extracellular loop of CCR5 is the major determinant of ligand specificity," <i>J. Biol. Chem.</i> 272(40):24934-24941, October 3, 1997.
RE	DE	Schwartz et al., "Role of the GRO family of chemokines in monocyte adhesion to MM-LDL-stimulated endothelium," <i>J. Clin. Invest.</i> 94(5):1968-1973, November 1994
RE	DF	Sheikh et al., "Binding of monoiodinated neuropeptide Y to hippocampal membranes and human neuroblastoma cell lines," <i>J. Biol. Chem.</i> 264(12):6648-6654, April 25, 1989.
RE	DG	Simpson and Hechtman, "Pulmonar Injury Following Sepsis," <i>Prog. Clin. Biol. Res.</i> 388:265-275, 1994.
RE	DH	Srikant and Heisler, "Relationship between receptor binding and biopotency of somatostatin-14 and somatostatin-28 in mouse pituitary tumor cells," <i>Endocrinology</i> 117(1):271-278, July 1985.
RE	DI	Terkeltaub et al., "Chemokines and Atherosclerosis," <i>Curr. Opin. Lipidol.</i> 9(5):397-405, October 1998.
RE	DJ	Terkeltaub et al., "The murine homolog of the interleukin-8 receptor CXCR-2 is essential for the occurrence of neutrophilic inflammation in the air pouch model of acute urate crystal-induced gouty synovitis," <i>Arthritis. Rheum.</i> 41(5):900-909, May 1998.
RE	DK	Thermos and Reisine, "Somatostatin receptor subtypes in the clonal anterior pituitary cell lines AtT-20 and GH3," <i>Mol. Pharmacol.</i> 33(4):370-377, April 1988.

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	ED						
	EE						

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					YES	NO
	EF					
	EG					
	EH					
	EI					

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	EJ	Villard et al., "GRO alpha and interleukin-8 in Pneumocystis carinii or bacterial pneumonia and adult respiratory distress syndrome," <i>Am. J. Respir. Crit. Care Med.</i> 152(5 Pt 1):1549-54, November 1995.
	EK	Wang et al., "Chemokines and their role in tumor growth and metastasis," <i>J. Immunol. Methods</i> 220(1-2):1-17, November 1, 1998.
	EL	White et al., "Identification of a potent, selective non-peptide CXCR2 antagonist that inhibits interleukin-8-induced neutrophil migration," <i>J. Biol. Chem.</i> 273(17):10095-10098, April 24, 1998.
	EM	Xia and Hyman, "Chemokines/chemokine receptors in the central nervous system and Alzheimer's disease," <i>J. Neurovirology</i> 5(1):32-41, February 1999.
	EN	Xia et al., "Interleukin-8 receptor B immunoreactivity in brain and neuritic plaques of Alzheimer's disease," <i>Am. J. Pathol.</i> 150(4):1267-1274, April 1997.
	EO	Xu et al., "Modulation of IL-8 receptor expression on purified human T lymphocytes is associated with changed chemotactic responses to IL-8," <i>J. Leukoc. Biol.</i> 57(2):335-342, February 1995.

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1614

U.S. PATENT DOCUMENTS

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RD	AA	4,990,518	02/05/91	Khanna et al.	514	303	
RD	AB	5,472,687	12/05/95	Proctor	424	70.1	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
RD	AC	WO 98/07692	02/26/98	WIPO		
RD	AD	WO 99/07380	02/18/99	WIPO		
RD	AE	WO 99/62885	12/09/99	WIPO		
RD	AF	WO 01/14340	03/01/01	WIPO		X
RD	AG	WO 01/55115	08/02/01	WIPO		
RD	AH	WO 02/22599	03/21/02	WIPO		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

RD	AI	✓	Bukhtiarova et al., "Possibilities for search for new analgesics in the series of arylamides o isonicotinic and nicotinic acids," Chemical Abstracts Services, STN Database Accession No. 131:237346, 1998.
RD	AJ	✓	Chambon et al., "Toxicity and pharmacodynamic properties of N,N-diethylnicotinamide N-oxide (Coramine N-oxide)," Chemical Abstracts Services, STN Database Accession No. 71:89704, 1969.
RD	AK	✓	Klebanov et al., "Antiinflammatory activity of some new pyridine carboxylic acid derivatives," Chemical Abstracts Services, STN Database Accession No. 88:15765, 1977.
RD	AL	✓	Streightoff et al., "Inhibition of bacteria by 5-fluoronicotinic acid and other analogs of nicotinic acid," <i>Chemical Abstracts</i> 58(5):Abstract No. 4836a, March 4, 1963.
RD	AM	✓	Wieland et al., "Syntheses of 4-substituted nicotinamides via the N-oxides," <i>Chemische Berichte</i> 96:266-274, 1963.
RD	AN	✓	Wieland et al., "Syntheses of 4-substituted nicotinamides via the N-oxides," Chemical Abstracts Services, STN Database Accession No. 1963:66395, 1963 ✓

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